

1 ~~Sub B1~~ DATA RELATIONSHIPS PROCESSOR
2 ~~WITH UNLIMITED EXPANSION CAPABILITY~~ 08/439207

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7 ABSTRACT OF THE DISCLOSURE

8 Machine automated techniques are described for a method
9 of data processing called Relationships Processing. A
10 computing system is disclosed which provides for the high
11 speed recording and extraction of data objects (entities)
12 and for the development data representing a queried
13 relationship between the entities. The system is expandable
14 to handle the relatively voluminous data bases of large,
15 commercial data repositories.

16 A user defines set of entities and allowed
17 relationships between the entities. The user can expand
18 this set of allowed entities and relationships at any time
19 during the life of the system without reprogramming or
20 compiling of computer program code or disrupting concurrent
21 operational use of the system. Large systems can now be
22 built that are no longer limited to a scope of design
23 requirements known during initial systems development. For
24 a given set of defined relationships the system allows the
25 user to perform complex inquiries (again without programming
26 at the code level) that would normally require multiple
27 nested inquiries to be coded programmatically and would not
28 achieve the performance levels of the Relationships
29 Processor.